	Application No.	Applicant(s)
Notice of Allowability	09/853,191	BOLLE ET AL.
	Examiner	Art Unit
	Michael B. Holmes	2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *August 09, 2004*.

2. ☒ The allowed claim(s) is/are *1-24*.

3. ☒ The drawings filed on *10 May 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *08092004*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

UNITED STATES PATENT AND TRADEMARK OFFICE

P.O. Box 1450, Alexandria, Virginia 22313-1450 – www.uspto.gov

Examiner's Detailed Office Action

1.   Claims 1-24 are allowed.

REASONS FOR ALLOWANCE

2.   The following is an Examiner's statement for reasons for allowance:

3.   The closest prior art *Li et al.* (USPAP 2002/0161747 A1), *Dimitrova et al.* (USPAP 2002/0147782 A1), and *Yao Wang, Zhu Liu, and Jin-Cheng Huang* (hereinafter *"Wang et al."*) "Multimedia Content Analysis" Using Both Audio and Video Vlues, IEEE Signal Processing Magazine, November 2000, does not teach or render obvious applicant's claimed invention.

4.   With regards to claim 1 *Li et al., Dimitrova et al., & Wang et al.,* does not disclose " *...a combining process that creates a visual feature vector for each of the visual modalities and a textual feature vector for each of the textual modalities, and concatenates for each of the one or more multimedia items the visual feature vectors and the textual feature vectors into a unified feature vector.*"

5.   With regards to claim 16 *Li et al., Dimitrova et al., & Wang et al.,* does not disclose

" *... a combining process that creates a visual feature vector for each of the visual modalities*

and a textual feature vector for each of the textual modalities, and concatenates for each of the

blocks the visual feature vectors and the textual feature vectors into a unified feature vector, ...

and a segmentation process that finds temporally contiguous groups of the blocks and combines

the contiguous groups into media segments where all the blocks in the media segment have one

or more of the same classes."

6.   With regards to claim 22 *Li et al., Dimitrova et al., & Wang et al.,* does not disclose

" *...creating a visual feature vector for each of the visual modalities and a textual feature vector*

for each of the textual modalities, for each block, concatenating the visual feature vectors and

the textual feature vectors into a unified feature vector, categorizing each of the blocks by cate-

gorizing the respective unified feature vector, and assembling two or more of the categorized

blocks into a segment."

7.   With regards to claim 23 *Li et al., Dimitrova et al., & Wang et al.,* does not disclose

" *...creating a visual feature vector for each of the visual modalities and a textual feature vector*

for each of the textual modalities, for each block, concatenating the visual feature vectors and

the textual feature vectors into a unified feature vector, categorizing each of the blocks by cate-

gorizing the respective unified feature vector, and assembling two or more of the categorized

blocks into a segment."

8.   With regards to claim 24 *Li et al., Dimitrova et al., & Wang et al.,* does not disclose

" *... means for creating a visual feature vector for each of the visual modalities and a textual*

feature vector for each of the textual modalities, block by block, means for concatenating the

visual feature vectors and the textual feature vectors into a unified feature vector, block by block,

means for categorizing each of the blocks by categorizing the respective to unified feature

vector, and means for assembling two or more of the categorized blocks into a segment."

Correspondence Information

9.   Any inquires concerning this communication or earlier communications from the

examiner should be directed to **Michael B. Holmes,** who may be reached Monday through

Friday, between 8:00 a.m. and 5:00 p.m. EST. or via telephone at **(571) 272-3686** or facsimile

transmission **(571) 273-3686** or email Michael.holmesb@uspto.gov.

        If attempts to reach the examiner are unsuccessful the **Examiner's Supervisor,**

Anthony Knight, may be reached at **(571) 272-3687.**

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